

# Notice of Allowability

Application No.

09/779,256

Examiner

Sam K. Ahn

Applicant(s)

REZVANI ET AL.

Art Unit

2637

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment, received on 08/16/04.
2. ☒ The allowed claim(s) is/are 1,3,5-11,13-19 and 22-25.
3. ☒ The drawings filed on 08/16/04 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.   |

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Charles C. Cary, Reg. No. 36,764 on 11/04/04.

The application has been amended as follows:

- a. In claim 1, line 4, "respectively, and" has been changed to "respectively,".
- b. In claim 1, line 6, "path an intermodulation of" has been changed to "path resulting in an intermodulation".
- c. In claim 3, line 1, "with the" has been changed to "with".
- d. In claim 3, line 2, "the level" has been changed to "the detected levels".
- e. In claim 5, line 4, "respectively, and" has been changed to "respectively,".
- f. In claim 5, line 7, "tones an" has been changed to "tones resulting in an".
- g. In claim 5, line 8, "of which" has been changed to "which".
- h. In claim 10, line 4, "respectively, and" has been changed to "respectively,".
- i. In claim 10, line 10, "and" has been deleted.
- j. In claim 10, line 13, "path;" has been changed to "path; and".
- k. In claim 10, line 15, "the ADC" has been changed to "an ADC".
- l. In claim 10, line 17, "and" has been deleted.

- m. In claim 10, line 18, "table to offset the error" has been changed to "model to offset the difference".
- n. In claim 11, line 4, "respectively, and" has been changed to "respectively,".
- o. In claim 11, line 6, "tones an intermodulation of" has been changed to "tones resulting in an intermodulation".
- p. In claim 11, line 9, "act of transmitting" has been changed to "transmitting step".
- q. In claim 11, line 10, "act" has been changed to "step".
- r. In claim 11, line 12, "of training" has been changed to "of the training".
- s. In claim 11, line 15, "act" has been changed to "step".
- t. In claim 13, line 5, "respectively, and" has been changed to "respectively,".
- u. In claim 13, line 11, "act of transmitting" has been changed to "transmitting step".
- v. In claim 13, line 12, "act" has been changed to "step".
- w. In claim 13, line 14, "of training" has been changed to "of the training".
- x. In claim 13, line 17, "act" has been changed to "step".
- y. In claim 14, line 3, "of the amplifier varied in said varying act" has been changed to "varies in said varying step".
- z. In claim 15, line 2, "act further comprises the acts" has been changed to "step further comprises the steps".
- aa. In claim 15, line 5, "tone detected in the detecting act" has been changed to "signal detected in the detecting step".

**bb. In claim 15, line 6, “act of transmitting” has been changed to “transmitting step”.**

**cc. In claim 18, line 4, “respectively, and” has been changed to “respectively,”.**

**dd. In claim 18, line 9, “act of transmitting” has been changed to “transmitting step”.**

**ee. In claim 18, line 10, “varying act” has been changed to “varying step”.**

**ff. In claim 18, line 12, “of training” has been changed to “of the training”.**

**gg. In claim 18, line 15, “act during” has been changed to “step during”.**

**hh. In claim 18, line 19, “act an” has been changed to “step an”.**

**ii. In claim 18, line 22, “estimating act” and “monitoring act” have been changed to “estimating step” and “monitoring step”, respectively.**

**jj. In claim 18, line 22, “device” has been changed to “device model”.**

**kk. In claim 18, line 26, “transmitted by” has been changed to “transmitted in”.**

**ll. In claim 18, line 27, “generating act” has been changed to “generating step”.**

**mm. In claim 19, line 4, “respectively, and” has been changed to “respectively,”.**

**nn. In claim 19, line 6, “tones an intermodulation of” has been changed to “tones resulting in an intermodulation”.**

**oo. In claim 19, line 11, “during the varying act” has been changed to “in the varying means”.**

**pp. In claim 19, line 16, “act during” has been changed to “means during”.**

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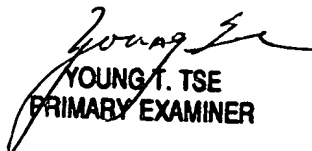
- qq. In claim 21, lines 1-2, "training sequence comprises" has been deleted.
- rr. In claim 21, line 2, "tones distributed" has been changed to "tones are distributed".
- ss. In claim 21, lines 2-3, "an intermodulation of which generates a" has been deleted.
- tt. In claim 21, line 3, "single tone" has been changed to "and the single tone".
- uu. In claim 21, line 3, "signal" has been changed to "signal is".

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sam Ahn whose telephone number is (571) 272-3044. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sam K. Ahn  
11/5/04

  
YOUNG T. TSE  
PRIMARY EXAMINER